

Howie C. Morales
Lt. Governor

NEW MEXICO ENVIRONMENT DEPARTMENT

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James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

Certified Mail - Return Receipt Requested

November 19, 2019

Mr. Britt Chesnut, Generation Manager Farmington Electric Utility System City of Farmington 501 McCormick School Road Farmington, NM 87401

Re: Farmington Electric Utility System (FEUS); Bluffview Power Plant; Minor Individual

Permit; SIC 4911; NPDES Compliance Evaluation Inspection; NM0031135; October 24, 2019

Dear Mr. Chesnut:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the Federal Clean Water Act.

Introduction, treatment scheme, and problems noted during this inspection are discussed in the Further Explanations section of the inspection report.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

David Long
US Environmental Protection Agency
Enforcement Branch (6EN-WS)
1201 Elm Street, Suite 500
Dallas, Texas 75270-2102

Sarah Holcomb, Program Manager New Mexico Environment Department Surface Water Quality Bureau Source Regulation Section P.O. Box 5469 Santa Fe, New Mexico 87502 Bluffview Power Plant October 18, 2019

If you have any questions about this inspection report, please contact Daniel Valenta at 505-827-2575 or at daniel.valenta@state.nm.us.

Sincerely,

/s/Sarah Holcomb

Sarah Holcomb Surface Water Quality Bureau

Cc. Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail David Long, USEPA (6EN-WM) by e-mail Amy Andrews, USEPA (6EN-WM) by e-mail David Esparza, USEPA (6EN-WM) by e-mail Darlene Whitten-Hill, USEPA (6EN-WC) by e-mail John Rhoderick, NMED District I by e-mail Nancy Williams, USEPA (6EN-WC) by e-mail Jamie Shockey, FEUS by e-mail

Form Approved OMB No. 2040-0003 Approval Expires 7-31-85



NPDES Compliance Inspection Report

| Section A: National Data System Coding | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | S | ection | B: Fac | ility I | Data | | | | | | | _ | | | | | | |
| | Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW and include POTW Entry Time /Date 1154/10-24-2019 Entry Time /Date 1154/10-24-2019 Permit Effective Date 8-1-2019 | | | | | | | | | | | | | | | | | | | | | | |
| | of Farmington, Farmington Electric, 755 West Murray Drive, Farm | | | | | | | w Pow | ver | | | /Date 24-2019 |) | | | | | nit Expi)-2024 | iration | Date | | | |
| Nam | ne(s) of On-Site Representative(s)/Title(s)/F | hone a | nd Fax N | umber(s |) | | | | | ı | | | | | | Oti | ner Faci | lity Data | a | | | | |
| Jam | ie Shockey/Generation Superintend | dent/F | EUS/50 |)5-427- | 6604 | | | | | | | | | | | Pla | nt Entra | | 36.717 | | | | |
| Erio | Jaquez, Water Treatment Specia | alist/] | FEUS/ | 505-56 | 56-2450 | | | | | | | | | | | | | | 108.21 | | | | |
| Nan | ne, Address of Responsible Official/Title/P | hone a | nd Fax Nu | umber | | | | | | | | | | | | Ot | JTFALI | | 36.717 -108.2 | | | | |
| Mr | . Britt Chesnut, Generation Manager, | ,FEU! | S, City o | of Farm | ington 5 | 01 Mc(| Corm | ick | | | F | Con | tacted | | | SIG | C Code | 4911 | | | | | |
| | ool Road, Farmington, NM 87401 | | .,, | | 8 | | | | | Yes | L | | No | * | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | (S = Sa | Section Sectio | on C: A M = M | | | | | | | aluate | d) | | | | | | | | | |
| S | Permit | S | Flow Mo | easuren | nent | | | S | Оре | eration | s & N | I ainte | nance | | | N | CSO | /SSO | | | | | |
| S | Records/Reports | S | Self-Mo | nitoring | g Progran | n | | N | Slu | idge Ha | andlir | ıg/Disp | osal | | | N | Pollution Prevention | | | | | | |
| S | Facility Site Review | S | Complia | ance Sch | hedules | | | N | Pre | etreatn | ent | | | | | N | Multimedia | | | | | | |
| S | Effluent/Receiving Waters | S | Labora | | | | | N | - | orm Wa | | | | | | N | Other: | | | | | | |
| | | | Section | n D: Su | mmary of | Findin | gs/Cor | nment | s (Atta | ach ad | lition | al shee | ts if n | ecessa | y) | | | | | | | | |
| | The facility has submitted all required DMR's and reports. There have been no exceedances of permit limits. The facility is ordered and appears to be well managed. | | | | | | | l | | | | | | | | | | | | | | | |
| appears to be well managed. | | | | | | | here | have | bee | n no | exce | eedar | ices | of pe | rmit | t limi | ts. Th | e faci | ility i | is or | ucrc | | |
| | pears to be well managed. | | | | штеро | rts. T | 'here | have | bee | n no | exce | eedar | ices | of pe | rmit | t limi | ts. Th | e faci | ility i | is or | ucre | | |
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| | pears to be well managed. | | | | ia repo | rts. 1 | 'here | have | e bee | en no | exco | eedar | nces | of pe | rmi | t limi | ts. Th | e faci | ility i | is or | ucre | | |
| Nan | ne(s) and Signature(s) of Inspector(s) | | | | • | | | | | | exce | eedar | nces | of pe | rmi(| t limi | Date | | ility i | is or | | | |
| | ne(s) and Signature(s) of Inspector(s) | niel V | ^v alenta | | Ag | gency/O | ffice/T | 'elepho | ne/Fa | x | excc | eedar | aces | of pe | rmi(| t limi | | 2 | 11/14 | | | | |
| | ne(s) and Signature(s) of Inspector(s) | rniel V | | | Ag | ency/O | ffice/T | 'elepho | ne/Fa | x | exce | eedar | aces | of pe | rmi | t limi | | 2 | | | | | |
| DAN | ne(s) and Signature(s) of Inspector(s) | niel V | | | Ag | ency/O | ffice/T | 'elepho: | ne/Fa | x 5 | | | aces | of pe | rmi | t limi | | • | | | | | |
| DAN | ne(s) and Signature(s) of Inspector(s) NIEL J. VALENTA /s/Da | | | | Ag NN | ency/Ol /IED/SV | ffice/T WQB 5 | elepho 505-827 Phone a | ne/Fa 77-2575 | x 5 | | | aces | of pe | rmi | t limi | Date | • | 11/14 | | 9 | | |

| Bluffview Power Plant | PERMIT NO. NM0031135 |
|---|--|
| SECTION A - PERMIT VERIFICATION | |
| PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS DETAILS: S | XPLANATION ATTACHED <u>NO</u>) |
| 1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE | ⊠ y □ n □ na |
| 2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES | ⊠ y □ n □ na |
| 3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT | ⊠ y □ n □ na |
| 4. ALL DISCHARGES ARE PERMITTED | ⊠ y □ n □ na |
| SECTION B - RECORDKEEPING AND REPORTING EVALUATION | |
| RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. \square S \square M \square U \square NA (Further exdetails: | PLANATION ATTACHED <u>No</u>) |
| 1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs. | ⊠y □ n □ na |
| 2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE. | \boxtimes S \square M \square U \square NA |
| a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING | ⊠ y □ n □ na |
| b) NAME OF INDIVIDUAL PERFORMING SAMPLING | ⊠ y □ n □ na |
| c) ANALYTICAL METHODS AND TECHNIQUES | ⊠ y □ n □ na |
| d) RESULTS OF ANALYSES AND CALIBRATIONS. | ⊠ y □ n □ na |
| e) DATES AND TIMES OF ANALYSES. | ⊠ y □ n □ na |
| f) NAME OF PERSON(S) PERFORMING ANALYSES. | ⊠ Y □N □ NA |
| 3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE. | ⊠s □ m □ u □ NA |
| 4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR. | \boxtimes S \square M \square U \square NA |
| 5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA. | ⊠ y □ n □ na |
| SECTION C - OPERATIONS AND MAINTENANCE | |
| TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. S M U U NA (FUR | THER EXPLANATION ATTACHED <u>No</u>) DETAILS: |
| 1. TREATMENT UNITS PROPERLY OPERATED. | ⊠s□m □u □na |
| 2. TREATMENT UNITS PROPERLY MAINTAINED. | ⊠ s □ m □u □ na |
| 3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED • | ⊠s□m □u □na |
| 4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. | ⊠s□m□u □na |
| 5. ALL NEEDED TREATMENT UNITS IN SERVICE | ⊠s □ m □ u □ na |
| 6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. | ⊠ s □ m □u □ na |
| 7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. | ⊠s □ m □ u □ na |
| 8. OPERATION AND MAINTENANCE MANUAL AVAILABLE. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED. | ⊠ y □ n □ na ⊠ y □ n □ na ⊠y □ n □na |

| Bluffview Power Plant | PERMIT NO. NM0031135 |
|---|---|
| SECTION C - OPERATIONS AND MAINTENANCE (CONT'D) | |
| 9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS? | □ y ⊠ n □ na □ y □ n ⊠ na □y □ n ⊠ na |
| 10.HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT? | □ y □ n ⊠ na □ y □ n ⊠ na |
| SECTION D - SELF-MONITORING | |
| PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. | EXPLANATION ATTACHED <u>No</u>). |
| 1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT. | ⊠ y □ n □ na |
| 2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES. | ⊠ y □ n □ na |
| 3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT. | □ y □ N ⊠ NA |
| 4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT. | ⊠ y □ n □ na |
| 5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT. | ⊠y □n □na |
| 6. SAMPLE COLLECTION PROCEDURES ADEQUATE | ⊠ y □ n □ na |
| a) SAMPLES REFRIGERATED DURING COMPOSITING. | □y □ n ⊠na |
| b) PROPER PRESERVATION TECHNIQUES USED. | ⊠y □ N □ NA |
| c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3. | ⊠ y □ n □ na |
| 7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT? | □ y □ n ⊠ na |
| SECTION E - FLOW MEASUREMENT | |
| PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXP | LANATION ATTACHED <u>No</u>) |
| PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. TYPE OF DEVICE _ Ultrasonic Flow Meter Installed | ⊠y□n □na |
| 2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED. | ⊠ y □ n □ na |
| 3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED. | □ y □ N ⊠ NA |
| 4. CALIBRATION FREQUENCY ADEQUATE. RECORDS MAINTAINED OF CALIBRATION PROCEDURES. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. Unit checked for zero calibration. | ⊠y□n□na ⊠y□n□na □y□n ⊠na |
| 5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE. | □ y □ N ⊠ NA |
| 6. HEAD MEASURED AT PROPER LOCATION. | ⊠ y □ n □ na |
| 7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES. | ⊠ y □ n □ na |
| SECTION F – LABORATORY | |
| PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. S M U NA (FURTHER EXPL.) DETAILS: | ANATION ATTACHED <u>No)</u> |
| 1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES) | ĭ y □ n □ na |

| Bluffview Power Pl | lant | | | | | Permit No. NI | M0031135 |
|---|---|---------------------------|----------------------|----------------------|------------------------|-----------------------------------|----------|
| SECTION F - LAI | BORATORY (CONT | 'D) | | | | | |
| 2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED | | | | | | | × NA |
| 3. SATISFACTORY O | 3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. | | | | | | |
| 4. QUALITY CONTR | OL PROCEDURES ADE | EQUATE. | | | | ⊠s□м□ | lu □na |
| 5. DUPLICATE SAM | 5. DUPLICATE SAMPLES ARE ANALYZED. 10 % OF THE TIME. | | | | | | |
| 6. SPIKED SAMPLES | S ARE ANALYZED. <u>0</u> | _% OF THE TIME. | | | | □ y ⊠ n [| □ NA |
| 7. COMMERCIAL LA | ABORATORY USED. | | | | | ⊠y□n[| □ na |
| LAB NAME | Se | ea Crest Group Whole | Effluent Toxicity | Scientific Laborator | ry Division TSS/TDS/ | O&G/ | |
| LAB ADDRESS | 50 | 00 S. Author Ave, Unit 45 | 50 | 4901 | Hawkins NE | | |
| PARAMETERS PER | RFORMED L | ouisville, Colorado 80027 | , | Alb | ouquerque, NM 87109 | | |
| SECTION G - EFI | FLUENT/RECEIVIN | IG WATERS OBSER | RVATIONS. | s □ м □ u □ N | A (FURTHER EXPLANATIO | ON ATTACHED NO). | |
| OUTFALL NO. | OIL SHEEN | GREASE | TURBIDITY | VISIBLE FOAM | FLOAT SOL. | COLOR | OTHER |
| 001 | no | no | no | no | no | Clear | |
| | | | | | | | |
| | | | | | | | |
| RECEIVING WATER | ROBSERVATIONS | | | | | | |
| | | | | | | | |
| | | | | | | | |
| SECTION H - SLU | JDGE DISPOSAL | | | | | | |
| SLUDGE DISPOSAI DETAILS: | L MEETS PERMIT REQU | UIREMENTS. | | s □ m □ u ⊠ n | A (FURTHER EXPLANATION | ON ATTACHED <u>NO</u>). | |
| 1 CLUDGE MANAG | CEMENT ADEQUATE T | O MAINTAIN EEEL LEN | NT OLIALITY | | | □s □м □ u □ | ▼l NA |
| | GEMENT ADEQUATE T | | - | | | | |
| | DS MAINTAINED AS R LIED SLUDGE, TYPE OF | | | ST AGRICUITURAL P | PUBLIC CONTACT SITE | | ∆ NA |
| | MPLING INSPECTION | | (FURTHER EXPLANATION | | OBLIC CONTACT SITE | 2) | |
| | INED THIS INSPECTION | | | ···· | | □y⊠n | □ NA |
| 2. TYPE OF SAMPL | | ν. | | | | | LI NA |
| GRAB | COM | IPOSITE SAMPLE 1 | METHOD FR | EQUENCY | | | |
| 3. SAMPLES PRESERVED. | | | | | | × NA | |
| 4. FLOW PROPORT | 4. FLOW PROPORTIONED SAMPLES OBTAINED. □ Y □ N ☒ NA | | | | | | |
| 5. SAMPLE OBTAIN | NED FROM FACILITY'S | SAMPLING DEVICE. | | | | \square Y \square N [| × NA |
| 6. SAMPLE REPRES | SENTATIVE OF VOLUM | IE AND MATURE OF D | ISCHARGE. | | | □у□n∣ | X NA |
| 7. SAMPLE SPLIT W | VITH PERMITTEE. | | | | | \square Y \square N \square | × NA |
| 8. CHAIN-OF-CUST | ODY PROCEDURES EM | MPLOYED. | | | | \square Y \square N | × NA |
| 9. SAMPLES COLLE | D. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. □ Y □ N ☒ NA | | | | | | |

City of Farmington
Farmington Electric Utility System Bluffview Power Plant Compliance
Evaluation Inspection
NPDES Permit No. NM0031135
October 24, 2019

Further Explanations

<u>Introduction</u>

On October 24, 2019, a Compliance Evaluation Inspection (CEI) was conducted by Daniel Valenta accompanied by Erin Shea, both of the State of New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB) at the City of Farmington, Farmington Electric Utility System (FEUS), Bluffview Power Plant located at 755 West Murray Drive, Farmington, New Mexico 87401 in San Juan County.

FEUS Bluffview Power Plant is classified as a minor facility discharger under the federal Clean Water Act, Section 402 National Pollutant Discharge Elimination System (NPDES) permit program and is assigned permit No. NM0031135. The permit authorizes discharges of cooling tower blowdown, reverse osmosis (RO) waste, evaporator coolant (summer only), and various floor drains to San Juan River in Segment 20.6.4.401 NMAC of the San Juan River Basin. Designated uses of Segment 20.6.4.401 NMAC include public water supply, industrial water supply, irrigation, livestock watering, wildlife habitat, primary contact, marginal cold-water aquatic life and warmwater aquatic life. The San Juan River assessment unit does not support primary contact (listed cause is E. coli bacteria) and marginal cold-water aquatic life (listed causes are turbidity and sedimentation siltation) according to the 2014-2016 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report

NMED performs a certain number of CEIs for the U.S. Environmental Protection Agency (USEPA) each year. The purpose of this inspection is to provide USEPA with information to evaluate the permittee's compliance with the NPDES permit. This report is based on review of files maintained by the permittee and NMED, on-site observation by NMED personnel, and verbal information provided by the permittee's representatives. Condition of sediment and erosion control measures and need for maintenance at the facility was discussed during the CEI, but an industrial stormwater Multi-Sector General Permit (MSGP) CEI was not conducted on the day of this inspection.

Upon arrival at approximately 1154 hours on the day of the inspection, the inspector made introductions, presented credentials to Mr. Eric Jaquez, Environmental Scientist and Mr. Jemie Shockey, Generation Superintendent. The inspector discussed the purpose of the inspection and toured the facility and Outfall 001. The inspector conducted an exit interview on site to discuss preliminary findings at the end of the tour.

Process Flow

Farmington Electric's Bluffview Power Plant produces approximately 60 megawatts. It is a combined-cycle natural gas steam electric generating facility.

It was completed and commenced operation in May of 2005. The plant includes a natural gas fired gas Combustion Turbine Generator (CTG) with a heat recovery steam generator (HRSG), duct burner and steam turbine. The facility also includes cooling towers, circulating water pumps, sub-station, and supporting equipment to produce and deliver electricity. Process or wastewater flows from the facility were previously directed to the City of Farmington Waste Water Treatment Plant. Outfall 001 was constructed on November 25, 2014. The facility now discharges to the San Juan river.

Cooling Tower:

Water used by the FEUS Bluffview Plant comes from the City of Farmington potable drinking water system. Most of the water used by the facility is to make up for what is evaporated in the plants cooling tower during operation. The Total Dissolved Solids (TDS) in the water is measured. As water evaporates from the system TDS increases. This increase triggers a cooling tower "blowdown" to Outfall 001. This creates the demand for more water to be brought in to the plant system.

Demin RO, Polisher, HRSG, CTG Sprint:

Potable water brought in from the City of Farmington drinking water system is furthered filtered before being used. It is run through the Demin RO which is used in the HRSG and CTG sprint system. This water is ultimately evaporated or blown down to the plant cooling tower basin and ultimately to Outfall 001.

Evaporative Cooler:

The Evaporative cooler water is used in the summer only to cool inlet air entering the combustion turbine and has limited volume of blowdown. This goes to the plant oil/water separator and ultimately to Outfall 001.

Various Floor Drains, Process Area Drain Header:

Various floor drains are plumbed to the oil water separator in case of potential discharge. Areas that have a risk of accidental release have been identified and re-directed to containment areas for this risk of pollution to outfall 001to be eliminated. The sampling point for all NPDES requirements is on the west side of the steam turbine. This is downstream of all process piping include the sodium bisulfite injection port for TRC removal.

Turbine Floor Deck Header Piping/ Containment Sump:

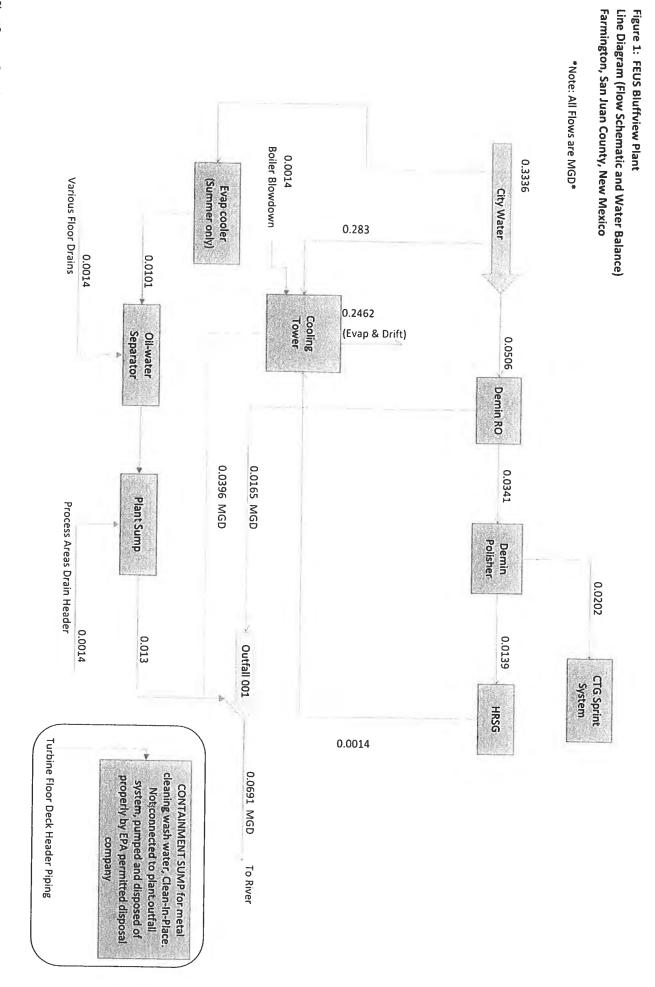
The combustion generator turbine floor deck piping, and wash/metal cleaning wastewater (approximately 2,000 to 4,000-gallons of water per year) are plumbed to a specially constructed sump. This sump is specifically designed to contain this type of waste water.

It is not connected to the plant outfall system. This waste, when collected, is profiled and disposed of through an USEPA and DOT approved third party service provider.

Chemical Usage for Bluffview Plant:

Corrosion inhibitors, pH control chemical s, and biocide (chlorine) are fed into the water flow system and cooling tower basin. Downstream of the cooling tower sodium bisulfite is injected for dechlorination prior to discharge. All chemical usage is minimized to the maximum extent practical in accordance with industry best management practices. The following information on the chemical feeds for FEUS Bluffview is as follows:

| Chemical Name | Purpose | SDS Listed Chemicals. CAS# |
|------------------------------------|--|---|
| Betz-Dearborn (RO, outfall 00 I) | De-Chlorination Agent | Sodium Bisulohitc, #7631-90-5 |
| Caustic Soda (RO) | Alkalinity Control | Sodium Hydroxide, #13 10-73-2 |
| Cortrol (HR SG) | Water-Based Dissolved Oxygen | Carbohydrazide, #497-18 - 7 |
| | Scavenger | |
| Gengard (HR SG) | Corrosion Inhibitor | Carboxylic Acid Polymer; Maleic Acid, #11 |
| | | 0 -16 - 7 |
| Hypersoerse (RO) | Membrane Deposit Control Agent | Disodium Phosphonate, # 13708-85-5 |
| Optisperse (Boiler) | Water- Based Internal Boiler Treatment | Polyphosphoric Acids, Sodium Salts, |
| | | #68915-3 1-1; Sodium Hydroxide, |
| | | #1310-73-2 |
| Sodium Hypochlorite (Cooling weir) | Commodity Bleach | Sodium Hypochlorite, #7681-52-9 |
| Steamate Pwr 1 4 4 0 (HRSG) | Neutralizing Amine | Ethanol amine, # 141- 4 3-5 |



| Photographer: Daniel Valenta | Date: September 10/24/2019 | Time:1258 hours | | |
|----------------------------------|----------------------------|-----------------|--|--|
| City/County: Farmington/San Juan | | | | |
| Location: 755 West Murry Drive | | | | |
| Subject: Cooling towers. | | | | |



| Photographer: Daniel Valenta | Date: September 10/24/2019 | Time: 1304 hours | | | |
|--|----------------------------|------------------|--|--|--|
| City/County: Farmington/San Jua | | | | | |
| Location: 755 West Murry Drive | | | | | |
| Subject: City water is furthered cleaned and stored in holding tank. | | | | | |



| Photographer: Daniel Valenta | Date: September 10/24/2019 | Time: 1305 hours | | | |
|-------------------------------------|----------------------------|------------------|--|--|--|
| City/County: Farmington/San Juan | | | | | |
| Location: 755 West Murry Drive | | | | | |
| Subject: Cooling towers and RO stor | age tank. | | | | |



| Photographer: Daniel Valenta | Date: September 10/24/2019 | Time: 1314 hours | | | |
|---|----------------------------|------------------|--|--|--|
| City/County: Farmington/San Juan | | | | | |
| Location: 755 West Murry Drive | | | | | |
| Subject: In line flow meter. Showing zero calibration test. | | | | | |



| Photographer: Daniel Valenta | Date: September 10/24/2019 | Time: 1450 hours | | | |
|---------------------------------------|----------------------------|------------------|--|--|--|
| City/County: Farmington/San Juan | | | | | |
| Location: 755 West Murry Drive | | | | | |
| Subject: Outfall 001, San Juan river. | | | | | |

